PATENT APPLICATION Effective November 10, 1998 CLAIMS AS FILED - PART I SMALL ENTITY OTHER THAN TYPE [SMALL ENTITY (Column 2) (Column 1) NUMBER EXTRA FEE RATE NUMBER FILED RATE FEE **FOR BASIC FEE** minus 20= OR **TOTAL CLAIMS** 160 minus 3 = INDEPENDENT CLAIMS OR MULTIPLE DEPENDENT CLAIM PRESENT OR * If the difference in column 1 is less than zero, enter "0" in column 2 OR TOTAL TOTAL **OTHER THAN** CLAIMS AS AMENDED - PART II OR SMALL ENTITY **SMALL ENTITY** (Column 3) (Column 2) (Column 1) ADDI-HIGHEST ADDI-CLAIMS PRESENT NUMBER TIONAL REMAINING RATE TIONAL RATE **EXTRA PREVIOUSLY** AMENDMENT **AFTER** FEE FEE PAID FOR **AMENDMENT** OR Minus Total Minus Independent OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM OR TOTAL TOTAL OR ADDIT. FEE ADDIT. FEE (Column 3) (Column 2) (Column 1) ADDI-HIGHEST. ADDI-CLAIMS NUMBER PRESENT TIONAL REMAINING RATE TIONAL RATE PREVIOUSLY EXTRA: AFTER FEE AMENDMENT FEE : PAID FOR <u>AMENDMENT</u> OR Minus Total *** Minus 1977 Independent OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM OR TOTAL TOTAL OR ADDIT, FEE ADDIT, FEE (Column 3) (Column 2) (Column 1) ADDI-HIGHEST ADDI-CLAIMS PRESENT REMAINING NUMBER RATE TIONAL TIONAL RATE-**PREVIOUSLY EXTRA** AFTER FEE AMENDMENT FEE PAID FOR **AMENDMENT** χ Minus OR **Total** = Minus 444 Independent OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM ---OR * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. TOTAL TOTAL OR ** If the "Highest Number Previously Pald For" IN THIS SPACE is less than 20, enter "20." ***If the "Highest Number Previously Pald For" IN THIS SPACE is less than 3, enter "3." ADDIT. FEE ADDIT. FEE

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION SEE DETERMINATION DEG							Application or Docket Number					
PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 1997												
			AS FILED - (Column 1)	'1 1	Olumn 2)	SMA Tyf	ALL ENTITY PE	OR		R THAN L ENTITY		
FOF	A	NUMB	BER FILED	NUMBER		RATE		7	RATE	FEE		
BAS	SIC FEE		n in S				395.00	OR		790.00		
	TAL CLAIMS		minu	us 20 = *		x\$11:	=	OR	·· ¢ 00			
	DEPENDENT CL			nus 3 = *		x41=	=	OR	00	m		
		IDENT CLAIM PRE				+135:	<u> </u>	1		XX		
* If t	the difference in co	column 1 is less than	zero, enter "0"	in column 2		TOTAL		OR	TOTAL	012		
ĺ		CLAIMS AS	AMENDE	D - PART II			-	OR	i	<u> </u>		
	10 5 28 3 2	(Column 1)	1. Q a 20	(Column 2)	(Column 3)	SM#	ALL ENTITY	OR		R THAN L ENTITY		
AMENDMENT A		REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE		
N	Total	1. 14/	Minus	" 80		x\$11=	=	OR	x\$22=			
AME	Independent	1 7	Minus	1 Y		x41=	:	OR	x82=			
	FIRST PRES	SENTATION OF	* MULTIPLE	DEPENDENT CL	_AIM	+135=	=	OR	+270=			
Q		(Column 1)		(Column 2)	(Column 3)	TOTA ADDIT. FE		OR	TOTAL ADDIT. FEE			
~		CLAIMS		HIGHEST				1	10011			
MENT B		REMAINING AFTER AMENDMENT	M	NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE		
AMENDME	Total	· 4	Minus	- 20	= ')	x\$1/1=	=	OR	x\$22=			
AME	Independent		Minus	3	= /	x41=		OR	x82=			
	FIRST PRES	SENTATION OF	MULTIPLE	DEPENDENT CL	.AIM	+135=	=	OR	+270=			
		(Column 1)		(Column 2)	(Column 3)	TOTA ADDIT. FE		OR A	TOTAL ADDIT. FEE			
CTC		CLAIMS REMAINING AFTER	30 - 2, 33	HIGHEST NUMBER PREVIOUSLY	PRESENT EXTRA	RATE			RATE	ADDI- TIONAL		
AMENDMENT		AMENDMENT .		PAID FOR	-		FEE	1 1		FEE		
ON:	Total		Minus	**	=	x\$11=	:	OR	x\$22=			
AME	Independent	<u> </u>	Minus	***	=	x41=		OR	x82=			
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM							OR	+270=			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." **** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.												

	PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 2003 Application or Docket Number 09/165,772											
CLAIMS AS FILED - PART I (Column 1) (Column 2)								SMALL E	NTITY	OR	OTHER SMALL	
TOTAL CLAIMS			(00.01111)				ĺ	RATE	FEE	1	RATE	FEE
FOR			NUMBER FILED		NUMBER EXTRA		Ì	BASIC FE	385.00	OR	BASIC FEE	770.00
TOTAL CHARGEABLE CLAIMS			minus 20=		•			X\$ 9=		OR	X\$18=	
INDEPENDENT CLAIMS			minus 3 =		•			X43=		OR	X86=	
М	JLTIPLE DEPE	NDENT CLAIM P	RESENT					+145=		OR	+290=	
* If the difference in column 1 is less than zero, enter "0"					*0* in c	olumn 2	į	TOTAL	}	OR	TOTAL	
CLAIMS AS AMENDED - PART II							, , , , ,	B	9	OTHER	THAN	
(Column 1) (Column 2) (Column 3)						SMALL	ENTITY	OR	SMALL			
AMENDMENTA.	C	CLAIMS REMAINING AFTER AMENDMENT		HIGHI NUME PREVIO PAID I	BER BUSLY	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
E SE	Total	. //	Minus	" 0	0	= /		X\$ 9=	1	OR	X\$18=	
ME	Independent	. 4	Minus	***	4	= (X43=	17	OR	X86=	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					+145=		OR	+290=	/		
						Ĺ	TOTAL			TOTAL ADDIT, FEE		
(Column 1) (Column 2) (Column 3)							A	DOIT. FEE	L	1	ADDII. FCC	
ENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHE NUME PREVIO PAID F	ST BER USLY	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
\$	Total	•	Minus	**		=		X\$ 9=		OR	X\$18=	
AMENDMENT	Independent	4	Minus	***		*		X43=		OR	X86=	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM						,	+145=		OR	+290=	
	· · · · · · · · · · · · · · · · · · ·						ί <u>.</u> Δ	TOTAL DDIT. FEE		OR	TOTAL ADDIT. FEE	
		(Column 1)		(Colum	າກ 2)	(Column 3)						
ENTC	`	CLAIMS REMAINING AFTER AMENDMENT		HIGHE NUMB PREVIO PAID F	ST ER USLY	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
MEN	Total	*	Minus	**		=		X\$ 9=		OR	X\$18=	
	Independent	•	Minus	4**		=		X43=		OR	X86=	
	FIRST PRESE	NTATION OF MU	LTIPLE DEF	ENDENT	CLAIM			+145=		OR	+290=	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.								ام	TOTAL			
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." ADDIT, FEEOH ADIT, FEEOH ADDIT, FEE												